

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) [[An]] A non-transitory information record medium on which there are recorded in a non-transitory state:

 an object data file for storing, by a unit of packet, object data which includes (a) a main stream including video information to indicate a main-video and

 (b) a sub stream including a plurality of button information to indicate a plurality of buttons displayable at least partially over the main-video and to function as a button in the sub stream;

 a play list information file for storing a plurality of play list information, wherein each of the plurality of play list information ~~which~~ defines, by a unit of item, a plurality of play item information, each of the plurality of play item information includes IN-point information to indicate a reproduction start time of the object data and OUT-point information to indicate a reproduction end time of the object data, one object datum which is specified by a unit of item by the play item information can be shared by the plurality of play

list information; and

an object information file for storing object information which includes an address of the object data, which is specified by the IN-point information and the OUT point information, corresponding to each item, wherein

at least one of the plurality of button information includes normal button information for defining a normal display control for displaying the button in a normal state in which the button is not selected and executed, selected button information for defining a selected display control for displaying the button in a selected state in which the button is selected, and activated button information for defining an activated display control for displaying the button in an activated state in which the button is activated,

each of the object data file, the play list information file and the object information file is recorded into a different area of the non-transitory medium, respectively.

2. (Currently Amended) The non-transitory information record medium according to claim 1, wherein the button information defines an opaque video part in a rectangular area placed in the sub-stream.

3-7. (Canceled)

8. (Currently Amended) The non-transitory information record medium according to claim 1, wherein the button information further defines a button command to be executed if the button is operated.

9.-11. (Cancelled)

12. (Currently Amended) An information record apparatus comprising:

a first record device for recording an object data file for storing, by a unit of packet, object data which includes (a) a main stream including video information to indicate a main-video and (b) a sub stream including a plurality of button information to indicate a plurality of buttons displayable at least partially over the main-video and to function as a button in the sub stream;

a second record device for recording a play list information file for storing a plurality of play list information, wherein each of the plurality of play list information ~~which~~ defines, by a unit of item, a plurality of play item information, each of the plurality of play item information includes IN-point information to indicate a

reproduction start time of the object data and OUT-point information to indicate a reproduction end time of the object data, one object datum which is specified by a unit of item by the play item information can be shared by the plurality of play list information; and

a third record device for recording an object information file for storing object information which includes an address of the object data, which is specified by the IN-point information and the OUT point information, corresponding to each item, wherein

at least one of the plurality of button information includes normal button information for defining a normal display control for displaying the button in a normal state in which the button is not selected and executed, selected button information for defining a selected display control for displaying the button in a selected state in which the button is selected, and activated button information for defining an activated display control for displaying the button in an activated state in which the button is activated,

each of the object data file, the play list information file and the object information file is recorded into a different area, respectively.

13. (Cancelled)

14. (Currently Amended) An information record method comprising:

recording an object data file for storing, by a unit of packet, object data which includes (a) a main stream including video information to indicate a main-video and (b) a sub stream including a plurality of button information to indicate a plurality of buttons displayable at least partially over the main-video and to function as a button in the sub stream;

recording a play list information file for storing a plurality of play list information, wherein each of the plurality of play list information ~~which~~ defines, by a unit of item, a plurality of play item information, each of the plurality of play item information includes IN-point information to indicate a reproduction start time of the object data and OUT-point information to indicate a reproduction end time of the object data, one object datum which is specified by a unit of item by the play item information can be shared by the plurality of play list information; and

recording an object information file for storing object information which includes an address of the object data, which is specified by the IN-point information and the OUT point information, corresponding to each item, wherein

at least one of the plurality of button information includes normal button information for defining a normal display

control for displaying the button in a normal state in which the button is not selected and executed, selected button information for defining a selected display control for displaying the button in a selected state in which the button is selected, and activated button information for defining an activated display control for displaying the button in an activated state in which the button is activated,

each of the object data file, the play list information file and the object information file is recorded into a different area, respectively.

15. (Cancelled)

16. (Currently Amended) An information reproduction apparatus for reproducing information on the non-transitory information record medium according to claim 1,

said information reproduction apparatus comprising:

a reading device for reading out the object data file, the play list information file and the object information file;

a display output device capable of outputting the button ~~information~~, over the reproduced video information; and

a control device for controlling the display output device to display the button, on the basis of the button

~~information in the reproduced button information.~~

17. (Cancelled)

18. (Currently Amended) An information reproduction method of reproducing information on the non-transitory information record medium according to claim 1,

said information reproduction method comprising:

reading process of reading out the object data file,
the play list information file and the object information file;

displaying output process capable of outputting the
button ~~information~~, over the reproduced video information; and

controlling process of controlling the display
output process to display the button, on the basis of the button
~~information in the reproduced button information.~~

19-23. (Cancelled)